

NOVEMBER/DECEMBER 2023

CEBC63 — IMMUNOLOGY

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL the questions.



1. Define active immunity
2. Explain the term phagocytosis.
3. Recall the properties of hapten.
4. Summarize the importance of adjuvant.
5. List the various cytokines produced in the body.
6. Explain the terms affinity and avidity.
7. What are immunosuppressive drugs?
8. Outline the types of graft.
9. Show the importance of vaccination.
10. Summarize the principle behind RIA.



SECTION B — (5 × 5 = 25 marks)

Answer ALL the questions.

11. (a) Identify the functions of neutrophils.

Or

- (b) Examine the structure of thymus.

12. (a) Organize the biological functions of IgG.

Or

- (b) Examine the properties of antibodies.

13. (a) Identify the functions of cytokines.

Or

- (b) Analyse the principle behind precipitation reactions.

14. (a) Identify and explain the mechanism behind type IV hypersensitivity.

Or

- (b) Examine the basic concepts behind plastic surgery.

15. (a) Organize the adverse effects of vaccination.

Or

- (b) Analyze the procedure involved in Radial immuno diffusion.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain the mechanism of phagocytosis.

17. Deduce the structural features of immunoglobulin.

18. Appraise the steps involved in classical complement pathway.

19. Elaborate the mechanism of graft vs host reactions.

20. Discuss the principle and procedure involved in ELISA.